

L8 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN
AN 95:47881 CA
OREF 95:8091a,8094a
ED Entered STN: 12 May 1984
TI A research development on the utilization of coal ash as a raw material of cement. Part I. An experimental manufacture of high (3CaO·Al2O3) cement by burning in electric furnaces
AU Okuda, Tohru; Ishihara, Yoshimi; Tanaka, Hirobumi; Uchida, Kiyohiko
CS Denryoku Chuo Kenkyusho, Japan
SO Denryoku Chuo Kenkyusho Hokoku (1980), 380024, 41 pp.
CODEN: DCKHDL
DT Journal
LA Japanese
CC 58-1 (Cement and Concrete Products)
AB High-C3A [12042-78-3] cement was prepared from mixts. containing coal ash from thermal power stations and limestone (389:1107 kg, resp., for the production of 1 ton of clinker) at 1350-1450°. The properties of the cement with a surface area 5000 cm²/g and gypsum [13397-24-5] content 6-7% were similar to, or higher than, those of com. normal portland cement.
ST coal ash cement
IT Coal
RL: USES (Uses)
 (ashes from, cement from limestone and)
IT Limestone, uses and miscellaneous
RL: USES (Uses)
 (cement from coal ash and)
IT Cement
 (from ashes and limestone)
IT Ashes (residues)
 (coal, cement from limestone and)
IT 12042-78-3
RL: USES (Uses)
 (cement high in, containing coal ashes and limestone)
IT 13397-24-5, uses and miscellaneous
RL: USES (Uses)
 (in cement, with high calcium aluminate content, properties in relation to)